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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=11; day=13; hr=13; min=12; sec=54; ms=114; ]

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\*\*\*\*\*

Reviewer Comments:

<210> 23

<211> 70

<212> PRT

<213> Artificial

<220>

<223> Partial amino acid sequence of F-NEXT.

<400> 23

The above is insufficient response for numeric identifier <223>. Please explain the source of the genetic material. When using "Artificial" for numeric identifier <213>, please provide as much taxonomic information, as possible, about the organism from which the genetic material was extracted. If the genetic material was extracted from a sample in which there was an unknown variety of organisms, please explain where the sample was taken, for example a soil sample. These errors appear in other sequences in the sequence listing. Please make all necessary changes

\*\*\*\*\*

Application No: 10521691 Version No: 2.0

**Input Set:****Output Set:**

**Started:** 2008-10-20 15:40:30.339  
**Finished:** 2008-10-20 15:40:32.938  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 599 ms  
**Total Warnings:** 57  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 57  
**Actual SeqID Count:** 57

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W 402	Undefined organism found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-10-20 15:40:30.339  
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**Total Warnings:** 57  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 57  
**Actual SeqID Count:** 57

Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (25) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
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W 213	Artificial or Unknown found in <213> in SEQ ID (29)
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W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49) This error has occurred more than 20 times, will not be displayed



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<120> NOVEL Notch-ORIGIN POLYPEPTIDES AND BIOMARKERS AND REAGENTS USING  
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<130> 10873.1604USWO

<140> 10521691

<141> 2005-08-31

<150> JP 2002-210040

<151> 2002-07-18

<160> 57

<170> PatentIn version 3.5

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Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ser Gln Leu His Phe  
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Met Tyr Val Ala Ala Ala  
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Met Tyr Val Ala Ala Ala Ala  
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Met Tyr Val Ala Ala Ala Ala Phe  
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Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ser Gln Leu His Phe  
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Met Tyr Val Ala Ala Ala Ala Phe Val  
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Met Tyr Val Ala Ala Ala Ala Phe Val Leu  
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Met Pro Arg Leu Leu Thr Pro Leu Leu Cys Leu Thr Leu Leu Pro Ala  
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Arg Ala Ala Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met  
20 25 30

Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His  
35 40 45

Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly  
50 55 60

Cys Gly Val Leu Leu Ser  
65 70

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<212> PRT

<213> mouse

<400> 24

Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val  
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Leu Leu Phe Phe Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg  
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<210> 25

<211> 31

<212> PRT

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<400> 25

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val  
1 5 10 15

Ile Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys  
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Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
20 25 30

Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly Cys Gly  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
20 25 30

Ala Ala Ala Phe Val Leu  
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<210> 28  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
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Ala Ala Ala Phe Val  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
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Ala Ala Ala Phe  
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Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu  
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
20 25 30

Ala Ala Ala  
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<210> 31

<211> 35

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<400> 31

Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys  
1 5 10 15

Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr  
20 25 30

Val Ala Ala  
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<210> 32

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Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala  
20 25 30

Ala

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Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala  
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr  
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Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu  
1 5 10 15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met  
20 25

<210> 37  
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<213> mouse

<400> 37

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe  
1 5 10 15

Val Gly Cys Gly Val Leu Leu  
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<210> 38

<211> 23

<212> PRT

<213> human

<400> 38

Leu His Phe Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe  
1 5 10 15

Val Gly Cys Gly Val Leu Leu  
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<210> 39

<211> 23

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<213> mouse

<400> 39

Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Phe Ile  
1 5 10 15

Leu Leu Gly Val Ile Met Ala  
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<210> 40

<211> 23

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Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Ile Ile  
1 5 10 15

Leu Leu Gly Val Ile Met Ala  
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<210> 41  
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<212> PRT  
<213> mouse

<400> 41

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Phe Leu Leu Ile Ile Phe  
1 5 10 15

Ile Leu Gly Val Met Val Ala  
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<210> 42  
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<400> 42

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Leu Leu Leu Val Ile Leu  
1 5 10 15

Val Leu Gly Val Met Val Ala  
20

<210> 43  
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<400> 43

Ile Leu Cys Ser Pro Val Val Gly Val Leu Leu Leu Ala Leu Gly Ala  
1 5 10 15

Leu Leu Val Leu Gln Leu Ile  
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<210> 44  
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<400> 44

Val Leu Cys Ser Pro Val Ala Gly Val Ile Leu Leu Ala Leu Gly Ala  
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Leu Leu Val Leu Gln Leu Ile

<210> 45  
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<400> 45

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Ile Val Ile Thr Leu Val Met Leu  
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<210> 46  
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1 5 10

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Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe  
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<210> 51  
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1 5 10 15

Val Gly Cys Gly Val Leu Leu Ser  
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Val Gly Cys Gly Leu Leu Leu Ser  
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1 5 10 15

Val Gly Cys Gly Val Leu Leu Ser  
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<210> 56

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<223> Partial amino acid sequence of F-NEXT(mutant).

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Val Gly Cys Gly Val Leu Leu Ser  
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<223> Partial amino acid sequence of F-NEXT(mutant).

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